INDEX TO VOLUME X

ABBOTT, K. H. Use of frozen cranial bone flaps for autogenous and homologous grafts in cranioplasty and spinal interbody fusion, 380, 693

——, and HALE, N. Cervical trapeze. An apparatus for ambulatory treatment of fractures of the cervical spine, 436

ADAMS, J. E. Familial hemangioblastoma of the cerebellum. Pedigree of two families, 421

ADAMS, S. See Alexander, E., Jr., 672

AIRD, R. B., and NAFFZIGER, H. C. The pathology of human striated muscle following denervation, 216

ALBERNAZ, J. G., and BUCY, P. C. Nonchromaffin paraganglioma of the jugular foramen, 663

ALEXANDER, E., JR. Benign subtentorial supracollicular cyst as a cause of obstructive hydrocephalus. Report of a case, 317

——, and ADAMS, S. Tumor of the glomus jugulare. Follow-up study two years after roentgen therapy, 672

ALEXANDER, W. S. Cerebral calcification epilepsy. Report of a case of epilepsy caused by a calcified hamartoma of the brain, 69

American Academy of Neurology, 203

American Board of Neurological Surgery, 189, 441

American Neurological Association, 330, 556

Aneurysm, intracranial
- congenital berry, of posterior fossa, 550
- nonfatal subarachnoid hemorrhage from, 35
- of anterior communicating artery, treatment of, 634
- of circle of Willis, treatment of, 404
- of internal carotid, treatment of, 590
- saccular, treatment of, 564

Angiography, cerebral
- carotid artery pressures in, 577
- carotid, ocular complications of, 90
- carotid, with Urokon, 367
- effect of contrast media on blood-brain-barrier, 38
- experimental use of ethyl diiodostearate as contrast medium, 453
- relative accuracy of, in diagnosis of mass lesions of brain, 397
- serialographic apparatus for, 323
- technique and dangers of, 602

Apparatus: See also Instruments
- cervical trapeze, 436
- for serial radiographs, 323

Association for Research in Nervous and Mental Disease, 90

BAGCHI, B. K. See Schneider, R. C., 122

BAKAY, L., and SWEET, W. H. Intra-arterial pressures in the neck and brain. Late changes after carotid closure, acute measurements after vertebral closure, 353

——, and WHITE, J. C. Pneumoencephalography in chromophobe adenomas of the hypophysis, 284

BARNETT, L. B. See Clayton, R. S., 434

BARNUM, A. S. See Norlén, G., 634

Basic calcium phosphate for experimental intervertebral fusion, 443

BASSETT, R. C., ROGERS, J. S., CHERRY, G. R., and GRUZHIT, C. The effect of contrast media on the blood-brain-barrier, 38

BLACK, S. P. W., and GERMAN, W. J. The treatment of internal carotid artery aneurysms by proximal arterial ligation. A follow-up study, 590

BLANKENBERG, H. W. See Strully, K. J., 474

Blood vessels: See also Aneurysm
- carotid artery ligation, complications of, 91
- carotid artery pressures in cerebral angiography, 577
- carotid-basilar anastomosis, 205
- carotid-cavernous fistula with signs on contralateral side, 178
- cerebral intravascular pressure, studies on, 28
- cerebrovascular thrombosis, intracarotid injection of papaverine in cases of, 331
- dural sinuses, wounds of, 496
- intra-arterial pressures in neck and brain, 353
- retinal artery pressure, unilateral elevation of, 74
- thrombo-endarterectomy for thrombosis of internal carotid in neck, 474

BLOOR, B. M. See Woodhall, B., 28

BOUSFIELD, M. E. See Rowbotham, G. F., 602

BRACKETT, C. E., JR. The complications of carotid artery ligation in the neck, 91

BRADFORD, F. K. See Leavens, M. E., 544

Brain
- bilateral cingulo-tractotomy, 483
- blood-brain-barrier, effect of contrast media on, 38
- cerebral calcification epilepsy, 69
- cerebral circulation in postoperative hypotension, 48
- disorders of electrolyte and water metabolism following surgery of, 389
- experimental cerebral concussion, 342
- medullary spinothalamic tractotomy, 113
- mesencephalic tractotomy for pain, 457
- necrosis of, following x-ray therapy, 423
- removal of bullet from, by gravity, 434

Brain injury: See Cranium; Head injury

Brain retractor, self-retaining, 555

Brain tumor: See Intracranial tumor

BROWN, C. A. See Schultz, E. C., 608

Bucy, P. C. See Albernaz, J. G., 663
See Sadove, M. S., 272
See Smith, R. A., III, 540

Cairns, Sir Hugh, 87
Carton, C. A. Effect of previous sensory loss on the appearance of herpes simplex following trigeminal sensory root section, 463
Cerebrospinal fluid
diagnosis of tumor cells in, 337
experimental studies on circulation of, 515
Cerebrum: See Brain
Cervical trapeze, 436
Cherry, G. R. See Bassett, R. C., 38
Chusid, J. G., and de Gutiérrez-Mahoney, C. G. Ossifying subdural hematoma, 430
Clayton, R. S., Barnett, L. B., and Nobles, M. W. Removal of bullet from the brain by gravity, 434
Cloward, R. B. The treatment of ruptured lumbar intervertebral discs by vertebral body fusion. I. Indications, operative technique, after care, 154
Cohn, G. A., and Hamby, W. B. The surgery of cranium bifidum and spina bifida. A follow-up report of sixty-four cases, 297
Coleman, Claude C., 327
Congress of Neurological Surgeons, 556
Cooper, I. S. Disorders of electrolyte and water metabolism following brain surgery, 389
——, and Morello, A. Intracarotid injection of papaverine in cases of cerebrovascular thrombosis. Preliminary report, 331
Craig, W. McK. See Webb, J. H., 360
Cranium: See also Head injury
eosinophilic granuloma of, 185
frozen bone flaps for grafts, 380, 693
perforation of orbital roof in hydrocephalus causing exophthalmos, 264
Cranium bifidum, surgery of, 297
Crawford, A. S., and Knighton, R. S. Further observations on medullary spinothalamic tractotomy, 113
Crosby, R. M. N., Wagner, J. A., and Nichols, P., Jr. Intradural lipoma of the spinal cord, 81
Cryptococcosis, intracerebral granuloma, 686
Cyst
colloid, of third ventricle, 242
leptomeningeal, of brain, following trauma, 233
pituitary, 540
subtentorial supracollicular, causing hydrocephalus, 317
traumatic arachnoidal, simulating acoustic neurinoma, 538

Davidoff, L. M., and Feiring, E. H. Subdural hematoma occurring in surgically treated hydrocephalic children. With a note on a method of handling persistent accumulations, 557
Deafness following meningitis, surgical treatment of, 651
Dodge, H. W., Jr., Uihlein, A., and Grindlay, J. H. Experimental use of a preparation of ethyl diiodostearate as a contrast medium for diagnostic cerebral angiography, 453
Drake, C. G., and McKenzie, K. G. Mesencephalic tractotomy for pain. Experience with six cases, 457
Drew, A. L., and Petrohelos, M. A. A case of brain tumor with unilateral elevation of retinal artery pressure, 74
Drew, J. H. An applicating forceps in which clips cannot stick or jam, 439
Dunsmore, R. H., Scoville, W. B., Reilly, F., and Whitcomb, B. B. Tracheotomy in neurosurgery, 228
Dystonia musculorum deformans, surgical treatment of, 490

Electroencephalography, relative accuracy of, in diagnosis of mass lesions of brain, 397
Electrolyte metabolism following brain surgery, 389
Electronics and nucleonics in medicine, conference on, 693
Epilepsy
cerebral calcification, 69
surgical treatment of, 52
Esophagorespiratory complications of neurosurgical treatment, 679
Ethyl diiodostearate, experimental use of, in angiography, 453
Exophthalmos, post-traumatic, 264

Feiring, E. H. See Davidoff, L. M., 557
Foltz, E. L. See Jenkner, F. L., 443
——, Holyoke, J. B., and Heyl, H. L. Brain necrosis following x-ray therapy, 423
——, Jenkner, F. L., and Ward, A. A., Jr. Experimental cerebral concussion, 342

German, W. J. Neurological surgery. Its past, present and future, 526
See Black, S. P. W., 590
German Society of Neurosurgery, 203
Gittelson, L. A. See Sadove, M. S., 272
Golden, J. See Woodhall, B., 28
Grant, W. T. Surgical treatment of deafness following meningitis, 651
Granuloma
cryptococcic, intracerebral, 686
eosinophilic, of bone, 185
Grindlay, J. H. See Dodge, H. W., Jr., 453
Gruzhit, C. See Bassett, R. C., 38
Gurdjian, E. S. See Latimer, F. R., 583
See Martin, F. A., 397
de Gutiérrez-Mahoney, C. G. See Chusid, J. G., 430

Hale, N. See Abbott, K. H., 436

HAMBY, W. B. The aneurysmal origin of nonfatal subarachnoid hemorrhage. An angiographic survey of 53 cases, 35
The surgical treatment of dystonia musculorum deformans, 490
See Cohn, G. A., 297
HARRISON, C. R., and LUTTRELL, C. Persistent carotid-basilar anastomosis. Three arteriographically demonstrated cases with one anatomical specimen, 205
HARSH, G. R., III. See Meirowsky, A. M., 373
Harvey Cushing Society, 90, 330
HAY, R. K. See Rowbotham, G. F., 602
HAYES, G. J. See Rizzoli, H. V., 550
See Steelman, H. F., 564
Head injury: See also Cranium
cerebritis complicating penetrating wounds, surgery of, 373
leptomeningeal cysts of brain following trauma, 233
traumatic intracerebellar hematoma, syndrome of, 122
Hemangioblastoma of cerebellum, familial, 421
Hematoma
ossifying subdural, 430
subdural, in surgically treated hydrocephalic children, 557
traumatic intracerebellar, syndrome of, 122
Hemorrhage
nonfatal subarachnoid, aneurysmal origin of, 35
spinal epidural, causing paraplegia, 608
Herpes simplex following trigeminal sensory root section, 463
HEYL, H. L. See Foltz, E. L., 423
HOLYOKE, J. B. See Foltz, E. L., 423
HORRAX, G. See Poppen, J. L., 242
HURWITT, E. S. See Strully, K. J., 474
Hydrocephalus
communicating, experimental production of, 515
in premature infant, caused by papilloma of choroid plexus, 416
obstructive, caused by subtentorial supracollicular cyst, 317
relation of, to post-traumatic exophthalmos, 264
subdural hematoma following surgical treatment of, 557
Hypotension, controlled, 272, 617
Hypophysectomy in man, 301
Hypophysial adenoma: See Pituitary adenoma

INGRAHAM, F. D. See Schurr, P. H., 515
Instruments: See also Apparatus
forceps for applying clips without jamming, 439
self-retaining brain retractor, 555
ventricular cannula and indwelling catheter, 438
Intervertebral disc, herniated
experimental intervertebral fusion, 443
frozen bone for grafts in spinal interbody fusion, 380
lumbar, postoperative infection of, 469
lumbar, treatment of, by vertebral body fusion, 154
with defect in anterior annulus fibrosus, 544
Intracranial tumor
acoustic neurinoma, simulation of, by arachnoidal cyst, 538
calcified hamartoma causing epilepsy, 69
colloid cysts of third ventricle, 242
cytologic diagnosis of, in cerebrospinal fluid, 337
hemangioblastoma, cerebellar, familial, 421
medulloblastoma in neonatal period, 75
meningioma, frontoparietal, with quadriplegia, 182
of third ventricle, 1
papilloma of choroid plexus causing hydrocephalus, 416
pituitary adenomas, pneumoencephalography in diagnosis of, 284
pituitary cyst, 540
prostatic metastases simulating meningioma, 546
relative accuracy of electroencephalography, air studies and angiography, in diagnosis of, 397
with unilateral elevation of retinal artery pressure, 74

JELSMA, F., and PLOETNER, E. J. Painful spina bifida occulta. With review of the literature, 19
JENKNER, F. L. See Foltz, E. L., 342
——, FOLTZ, E. L., and WARD, A. A., JR. Experimental intervertebral fusion using basic calcium phosphate, 443
JOHNSON, A. C. See Schultz, E. C., 608

KENNARD, M. A. Sensitization of the spinal cord of the cat to pain-inducing stimuli, 169
KERNOHAN, J. W. See Webb, J. H., 360
KING, A. B. Medulloblastoma with onset during the neonatal period. Report of a case, 75
KIRBY, A. R. See Rowbotham, G. F., 602
Klippel-Feil syndrome, lipoma of spinal cord associated with, 675
KNIGHTON, R. S. See Crawford, A. S., 113

LANDAU, W. M. The duration of neuromuscular function after nerve section in man, 64
LARSON, C. P., ROBSON, J. T., and REBERGER, C. C. Cytologic diagnosis of tumor cells in cerebrospinal fluid, 337
LATIMER, F. R., WEBSTER, J. E., and GURDJIAN, E. S. Osteitis deformans with spinal cord compression. Report of three cases, 583
LEAVENS, M. E., and BRADFORD, F. K. Ruptured intervertebral disc. Report of a case with a defect in the anterior annulus fibrosus, 544

LEMMEN, L. J. See Rand, R. W., 1
See Schneider, R. C., 122
LIN, P., MURTAGH, F., WYCIS, H., and SCOTT, M. Carotid angiography with Urokon, using the Chamberlain bi-plane stereoscopic angiographic unit. Report of one hundred cases, 367
Lipoma
of spinal cord, associated with Klippel-Feil syndrome, 675
of spinal cord, intradural, 81
LIU, C. T. Intracerebral cryptococcic granuloma. Case report, 686
LUFT, R., and OLIVECRONA, H. Experiences with hypophysectomy in man, 301
LUTTRELL, C. See Harrison, C. R., 205

McKENZIE, K. G. See Drake, C. G., 457
McLAURIN, R. L. See Schurr, P. H., 515
MANGANIELLO, L. O. J. See Nichols, P., Jr., 538
MARDER, S. N. See Seaman, W. B., 145
MARTIN, F. A., WEBSTER, J. E., and GURDJIAN, E. S. The relative accuracy of electroencephalography, air studies and angiography in a series of two hundred mass lesions, 397
MATSON, D. D. Hydrocephalus in a premature infant caused by papilloma of the choroid plexus. With report of surgical treatment, 416
Medulloblastoma in neonatal period, 75
MEIROWSKY, A. M. Wounds of dural sinuses, 496
See Rosenbluth, P. R., 107
——, and HARSH, G. R., III. The surgical management of cerebritis complicating penetrating wounds of the brain, 373
Meninges
adhesive spinal arachnoiditis, myelographic appearance of, 145
leptomeningeal cysts of brain following trauma, 233
traumatic arachnoidal cyst simulating acoustic neurinoma, 538
Meningioma
frontoparietal, with quadriplegia, 182
simulated by prostatic metastases, 546
Meningitis, surgical treatment of deafness following, 651
Metastases, prostatic, simulating intracranial meningioma, 546
MEYERS, R. See Skultety, F. M., 679
MORELLO, A. Pneumocisternography of the posterior fossa. Preliminary report of a new technique, 552
See Cooper, I. S., 331
MORLEY, T. P. Congenital rotation of the spinal cord, 690
MOSBERG, W. H., JR. See Schultz, E. C., 608
MOUNT, L. A. See Ramos, M., 178
MURTAGH, F. See Lin, P., 367
Muscle
human striated, pathology of, after denervation, 216
neuromuscular function after nerve section, 64
Myelographic appearance of adhesive spinal arachnoiditis, 145

NAFFZIGER, H. C. See Aird, R. B., 216
Nerve: See also Paralysis
neuromuscular function after section of, 64
pathology of human striated muscle after denervation, 216
trigeminal sensory root section, herpes simplex following, 463
ulnar paralysis, management of, 138
Neurinoma, acoustic, simulated by traumatic arachnoidal cyst, 538
Neurosurgery, its past, present and future, 526
Neurosurgical societies
Congress of Neurological Surgeons, 556
German Society of Neurosurgery, 203
Harvey Cushing Society, 90, 330
Neurosurgical Society of America, 90, 330
Scandinavian Neurosurgical Society, 330
Society of Neurological Surgeons, 90
Neurosurgical Society of America, 90, 330
Neurosurgical treatment, esophagorespiratory complications of, 679
NICHOLS, G. B. An inexpensive semi-automatic serialographic apparatus for angiography, 323
NICHOLS, P., JR. See Crosby, R. M. N., 81
——, and MANGANIELLO, L. O. J. Traumatic arachnoidal cyst simulating acoustic neurinoma, 538
NOBLES, M. W. See Clayton, R. S., 434
NORLÉN, G., and BARNUM, A. S. Surgical treatment of aneurysms of the anterior communicating artery, 634
——, and OLIVECRONA, H. The treatment of aneurysms of the circle of Willis, 404

Obituary
Sir Hugh Cairns, 87
Claude C. Coleman, 327
OBRADOR, S. Personal experience in the surgical treatment of epilepsy, 52
Oculocardiac syndrome, posttraumatic, 682
ODOM, G. L. See Woodhall, B., 28
OLIVECRONA, H. See Luft, R., 301
See Norlén, G., 404
Osteitis deformans with spinal cord compression, 583

Pain, mesencephalic tractotomy for, 457
Papaverine, intracarotid injection of, in cerebrovascular thrombosis, 331
Papilloma of choroid plexus caused by hydrocephalus, 416
Paraganglioma, nonchromaffin
of glomus jugulare, 672
of jugular foramen, 663
Paraplegia caused by spinal epidural hemorrhage, 608

PARHAD, M. B. Bilateral cingulo tractotomy, 483
PETROHELOS, M. A. See Drew, A. L., 74
Pituitary adenoma, pneumoencephalography in diagnosis of, 284
PLOETNER, E. J. See Jelsma, F., 19
Pneumocisternography of posterior fossa, 552
Pneumoencephalography
in diagnosis of pituitary adenomas, 284
relative accuracy of, in diagnosis of mass lesions of brain, 397
POPPEN, J. L., REYES, V., and HORRAX, G. Colloid cysts of the third ventricle. Report of seven cases, 242
——, and SKWAROK, E. W. Left frontoparietal meningioma with quadriplegia. Report of case, 182
RAMOS, M., and MOUNT, L. A. Carotid cavernous fistula with signs on contralateral side. Case report, 178
RAND, R. W., and LEMMEN, L. J. Tumors of the posterior portion of the third ventricle, 1
RANSOHOFF, J. See Taveras, J. M., 233
RAY, B. S. Sympathectomy of the upper extremity. Evaluation of surgical methods, 624
REBERGER, C. C. See Larson, C. P., 337
REILLY, F. See Dunsmore, R. H., 228
REYES, V. See Poppen, J. L., 242
RIZZOLI, H. V. See Steelman, H. F., 564
——, and HAYES, G. J. Congenital berry aneurysm of the posterior fossa. Case report with successful operative excision, 550
ROBSON, J. T. See Larson, C. P., 337
Roentgen therapy, necrosis of brain following, 423
ROGERS, J. S. See Bassett, R. C., 38
ROSENBAUM, H. E. See Seaman, W. B., 145
ROSENBLUTH, P. R., and MEIROWSKY, A. M. Sympathetic blockade, an acute cervical cord syndrome, 107
ROWBOTHAM, G. F., HAY, R. K., KIRBY, A. R., TOMLINSON, B. E., and BOUSFIELD, M. E. Technique and the dangers of cerebral angiography, 602

SACHS, E., JR. A simple, gentle, self-retaining brain retractor, 555
SADOVE, M. S., WYANT, G. M., GITTELSON, L. A., and BUCY, P. C. Controlled hypotension, 272
Scandinavian Neurosurgical Society, 330
SCHAERER, J. P., and WHITNEY, R. L. Prostatic metastases simulating intracranial meningioma, 546
SCHNEIDER, R. C., LEMMEN, L. J., and BAGCHI, B. K. The syndrome of traumatic intracerebellar hematoma with contrecoup supratentorial complications, 122
SCHULTZ, E. C., JOHNSON, A. C., BROWN, C. A., and MOSBERG, W. H., JR. Paraplegia caused by spontaneous spinal epidural hemorrhage, 608
SCHURR, P. H., MCLAURIN, R. L., and INGRAHAM, F. D. Experimental studies on the circulation of the cerebrospinal fluid and methods of producing communicating hydrocephalus in the dog, 515
SCOTT, M. A rubber ventricular cannula and indwelling catheter, 438
See Lin, P., 367
SCOVILLE, W. B. See Dunsmore, R. H., 228
SEAMAN, W. B., MARDER, S. N., and ROSENBAUM, H. E. The myelographic appearance of adhesive spinal arachnoiditis, 145
SHENKIN, H. A. The cerebral circulation in postoperative intracranial hypotension, 48
SKULTETY, F. M., and MEYERS, R. Esophagorespiratory complications of treatment of neurosurgical patients, 679
SKWAROK, E. W. See Poppen, J. L., 182
SMITH, R. A., III, and BUCY, P. C. Pituitary cyst lined with a single layer of columnar epithelium, 540
Society of Neurological Surgeons, 90
Spina bifida
occulta, painful, 19
surgery of, 297
Spinal cord
cervical, acute syndrome of, 107
compression of, in osteitis deformans, 583
congenital rotation of, 690
lipoma of, intradural, 81
lipoma of, with Klippel-Feil syndrome, 675
sensitization of, to pain-inducing stimuli, 169
Spinal injury, cervical, apparatus for, 436
Spinal tumor
in cervical region, 360
lipoma, intradural, 81
lipoma, with Klippel-Feil syndrome, 675
Spine: See also Intervertebral disc
STEELMAN, H. F., HAYES, G. J., and RIZZOLI, H. V. Surgical treatment of saccular intracranial aneurysms. A report of 56 consecutively treated patients, 564
STERN, W. E. Studies of pressures in the carotid artery of patients undergoing cerebral angiography, 577
STÖRTEBECKER, T. P. Posttraumatic oculocardiac syndrome from a neurosurgical point of view. Report of a case, 682
STRULLY, K. J., HURWITT, E. S., and BLANKENBERG, H. W. Thrombo-endarterectomy for thrombosis of the internal carotid artery in the neck, 474
SWAIN, G., and WILLIAMS, J. M. Eosinophilic granuloma of bone. Report of a case, 185
SWEET, W. H. See Bakay, L., 353
Sympathetic nervous system
sympathectomy of upper extremity, 624
sympathetic blockade, an acute cervical cord syndrome, 107

TAVERAS, J. M., and RANSOHOFF, J. Leptomeningeal cysts of the brain following trauma with erosion of the skull. A study of seven cases treated by surgery, 233
TOMLINSON, B. E. See Rowbotham, G. F., 602
Tracheotomy in neurosurgery, 228
Tractotomy
bilateral cingulo-, 483
medullary spinothalamic, 113
mesencephalic, for pain, 457
TURNBULL, F. Postoperative inflammatory disease of lumbar discs, 469

UIHLEIN, A. See Dodge, H. W., Jr., 453
United Cerebral Palsy, 330
Urokon in carotid angiography, 367

VALONE, J. A. Paralysis of the ulnar nerve and management of its deformity with suggestion for temporary partial blockage during recovery, 138
Ventricle
colloid cysts of, 242
third, tumors of, 1
ventricular cannula and catheter, 438
Ventriculography, relative accuracy of, in diagnosis of mass lesions of brain, 397
VERBIEST, H. Post-traumatic pulsating exophthalmos caused by perforation of an eroded orbital roof by a hydrocephalic brain, 264

WAGNER, J. A. See Crosby, R. M. N., 81
WALSH, F. B. Ocular complications of carotid angiography, 90
WARD, A. A., JR. See Foltz, E. L., 342
See Jenkner, F. L., 443
Water metabolism following brain surgery, 389
WEBB, J. H., CRAIG, W. McK., and KERNOHAN, J. W. Intraspinal neoplasms in the cervical region, 360
WEBSTER, J. E. See Latimer, F. R., 583
See Martin, F. A., 397
WHITCOMB, B. B. See Dunsmore, R. H., 228
WHITE, J. C. See Bakay, L., 284
WHITNEY, R. L. See Schaerer, J. P., 546
WIKLUND, P. E. Controlled hypotension at intracranial operations, 617
WILLIAMS, J. M. See Swain, G., 185
WOODHALL, B., ODOM, G. L., BLOOR, B. M., and GOLDEN, J. Studies on cerebral intravascular pressure. Further data concerning residual pressure in components of the circle of Willis and in blind arterial segments, 28
WYANT, G. M. See Sadove, M. S., 272
WYCIS, H. T. Lipoma of the spinal cord associated with Klippel-Feil syndrome, 675
See Lin, P., 367